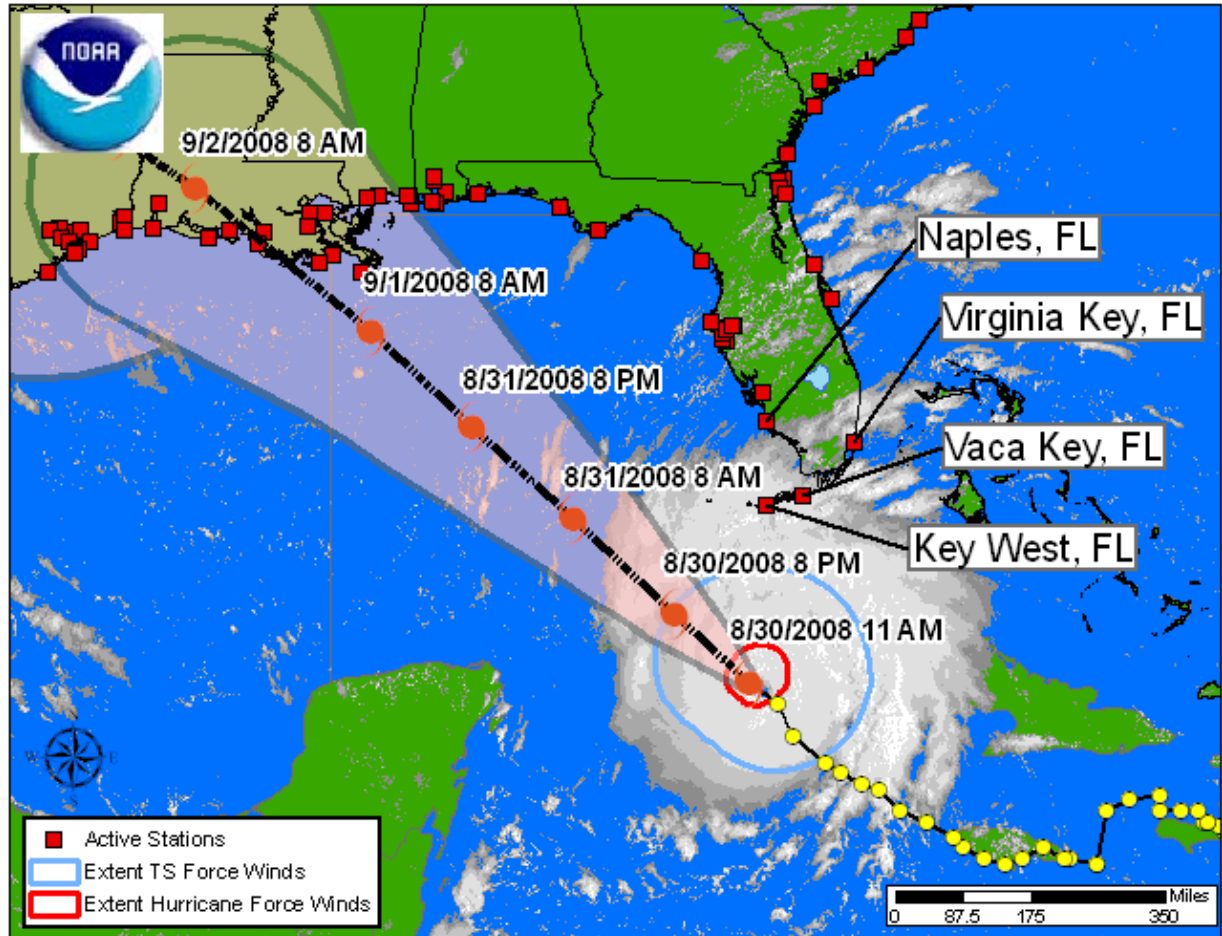




Hurricane GUSTAV QuickLook
Posted: 12:00 EDT 08/30/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/30/2008 12:00 EDT, water levels along the Florida Keys and Southern Florida are rising and are approximately half a foot above predicted. Barometric pressure is falling.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tide is 1.71 ft (0.52 m) at 08/30/2008 22:51 EDT.

Vaca Key, FL: Next predicted high tide is 1.20 ft (0.37 m) at 08/30/2008 14:33 EDT.

Virginia Key, FL: Next predicted high tide is 2.60 ft (0.79 m) at 08/30/2008 21:36 EDT.

Naples, FL: Next predicted high tide is 3.55 ft (1.08 m) at 08/30/2008 12:29 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services website](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst: CM

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE GUSTAV ADVISORY NUMBER 23

1100 AM EDT SAT AUG 30 2008

...GUSTAV EVEN A LITTLE STRONGER AS IT CLOSES IN ON WESTERN CUBA...

AT 1100 AM EDT A TROPICAL STORM WARNING IS IN EFFECT FOR THE LOWER FLORIDA KEYS WEST OF THE SEVEN MILE BRIDGE TO DRY TORTUGAS. A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

INTERESTS IN THE GULF OF MEXICO AND THE NORTHERN GULF COAST SHOULD CLOSELY MONITOR THE PROGRESS OF GUSTAV. A HURRICANE WATCH COULD BE ISSUED FOR PORTIONS OF THE NORTHERN GULF COAST LATER TODAY.

AT 1100 AM EDT THE CENTER OF HURRICANE GUSTAV WAS LOCATED NEAR LATITUDE 21.2 NORTH, LONGITUDE 82.1 WEST OR ABOUT 55 MILES EAST-SOUTHEAST OF THE ISLE OF YOUTH AND ABOUT 185 MILES EAST OF THE WESTERN TIP OF CUBA.

GUSTAV IS MOVING TOWARD THE NORTHWEST NEAR 14 MPH AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE DURING THE NEXT COUPLE OF DAYS. ON THIS TRACK THE CENTER OF GUSTAV WILL PASS OVER WESTERN PORTIONS OF CUBA TODAY AND TONIGHT EMERGE OVER THE SOUTHERN GULF OF MEXICO EARLY ON SUNDAY AND REACH THE NORTHERN GULF BY MONDAY MORNING.

MAXIMUM SUSTAINED WINDS ARE NEAR 125 MPH WITH HIGHER GUSTS. GUSTAV IS A CATEGORY THREE HURRICANE ON THE SAFFIR-SIMPSON SCALE. FLUCTUATIONS IN STRENGTH ARE POSSIBLE DURING THE NEXT 24 HOURS AS GUSTAV PASSES NEAR AND OVER WESTERN CUBA. ADDITIONAL STRENGTHENING IS FORECAST AFTER GUSTAV REACHES THE GULF OF MEXICO.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 60 MILES FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 160 MILES.

THE MINIMUM CENTRAL PRESSURE BASED ON RECENT REPORTS FROM AIR FORCE AND NOAA RECONNAISSANCE AIRCRAFT IS 954 MB.

STORM SURGE OF 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IS POSSIBLE IN THE DRY TORTUGAS AS GUSTAV PASSES TO ITS WEST.

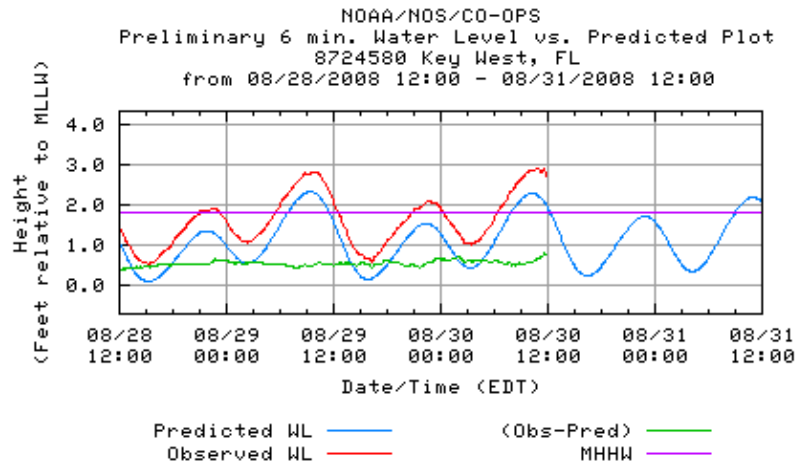
RAINFALL OF 1 TO 3 INCHES IS POSSIBLE OVER FLORIDA KEYS AND EXTREME SOUTH FLORIDA BY SUNDAY MORNING.

FORECASTER KNABB

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Winds](#), [Key West - Air/Water Temp](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Air/Water Temp](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Air/Water Temp](#), [Naples - Barometric](#),

Key West, FL - Station Map [Return to List](#)

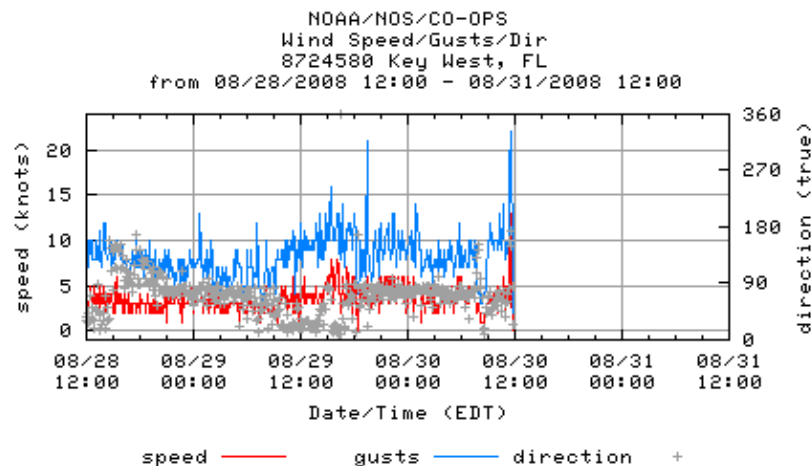


Last Observed Sample: 08/30/2008 11:48 (EDT)

Relative to **MLLW**: **Observed: 2.73 ft. Predicted: 1.99 ft. Residual: 0.74 ft.**

Historical Maximum Water Level: 09/08/1965, 1.93 ft. above **MHHW**

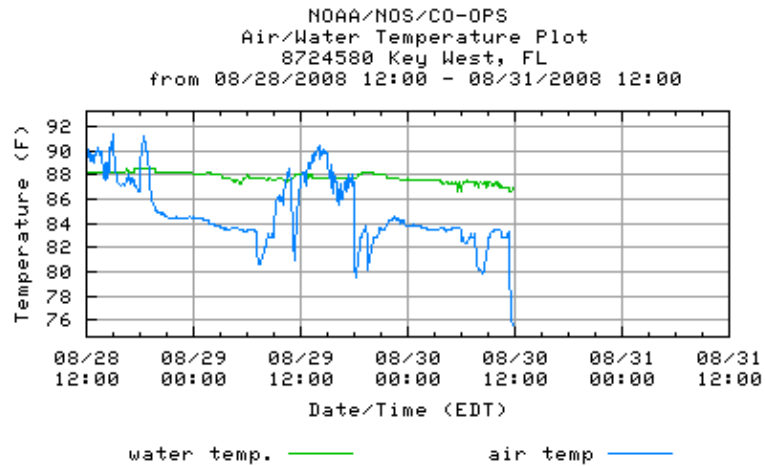
Key West, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 11:48 (EDT)

Wind Speed: 0 knots Gusts: 2 knots Direction: 086° T

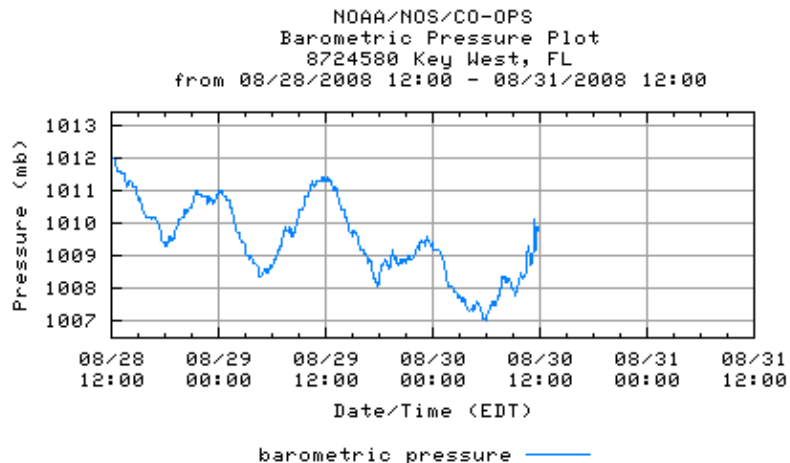
Key West, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 11:48 (EDT)

Water Temperature: 86.9° F Air Temperature: 75.7° F

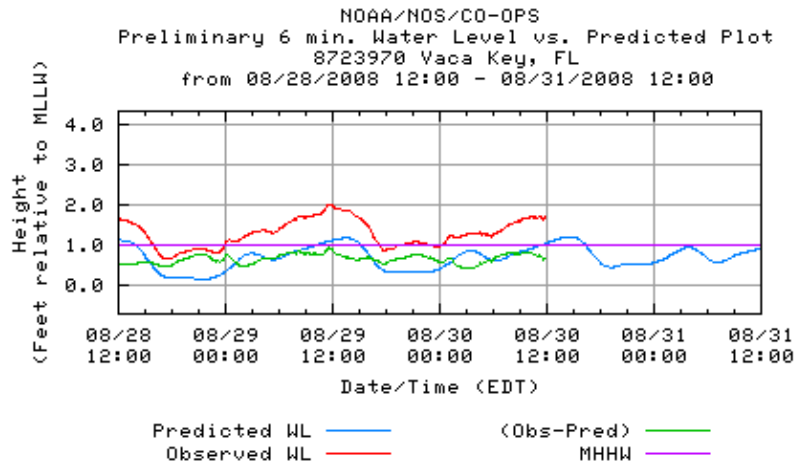
Key West, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 11:48 (EDT)

Barometric Pressure: 1009.9 mb

Vaca Key, FL - Station Map [Return to List](#)

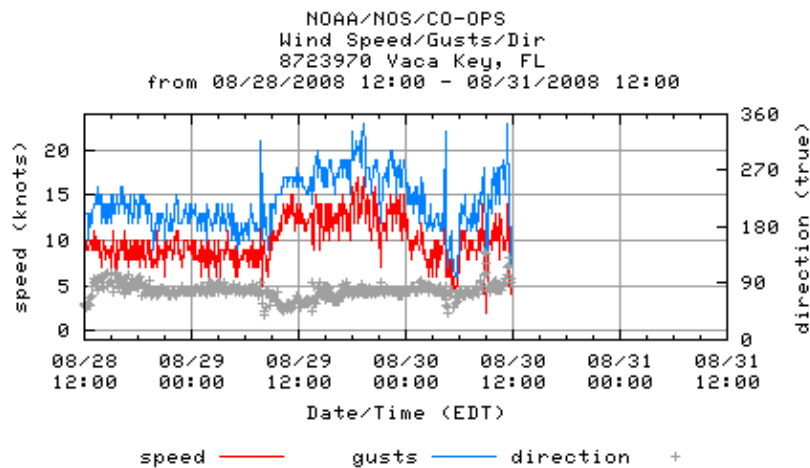


Last Observed Sample: 08/30/2008 11:48 (EDT)

Relative to **MLLW**: **Observed: 1.70 ft. Predicted: 1.03 ft. Residual: 0.67 ft.**

Historical Maximum Water Level: 10/07/1974, 1.42 ft. above **MHHW**

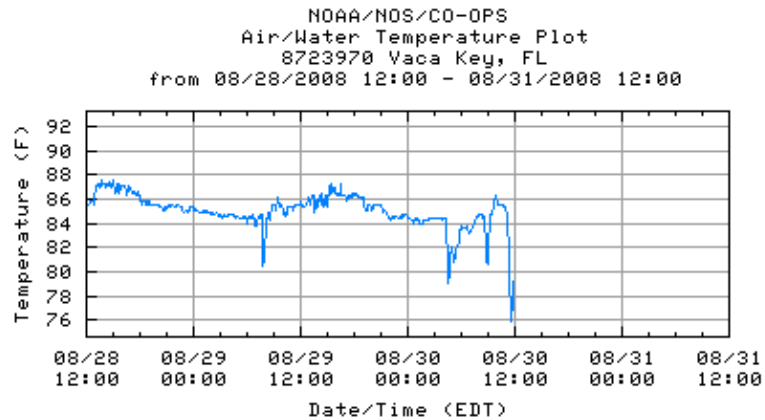
Vaca Key, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 11:48 (EDT)

Wind Speed: 4 knots Gusts: 7 knots Direction: 092° T

Vaca Key, FL - Station Map [Return to List](#)

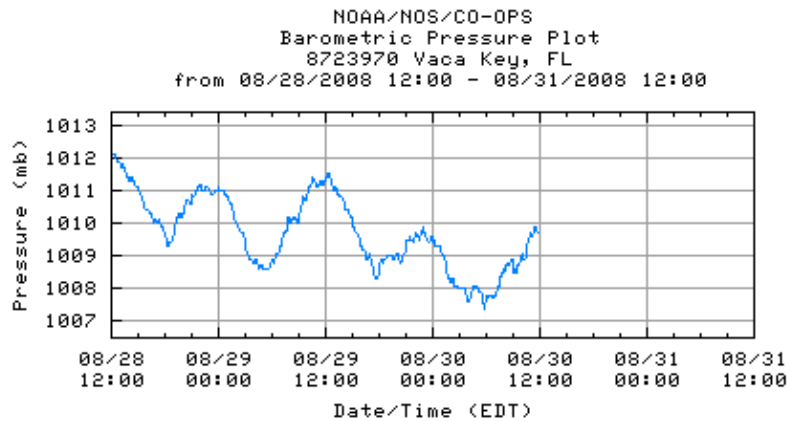


water temp. — air temp. —

Last Observed Sample: 08/30/2008 11:48 (EDT)

Water Temperature: n/a Air Temperature: 79.2° F

Vaca Key, FL - Station Map [Return to List](#)

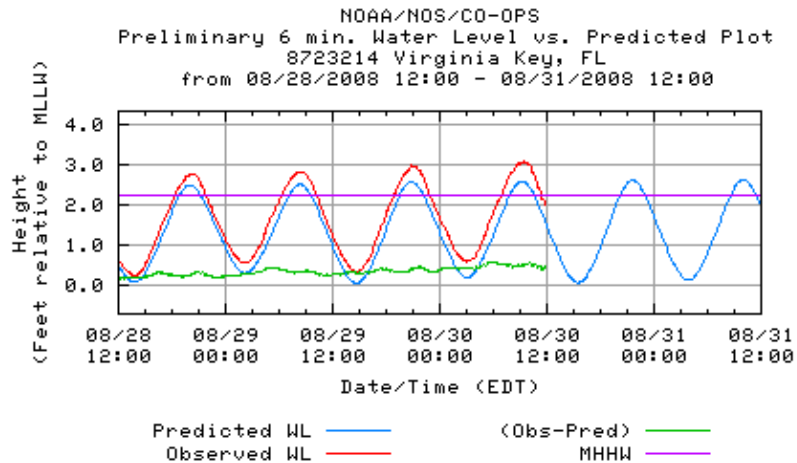


barometric pressure —

Last Observed Sample: 08/30/2008 11:48 (EDT)

Barometric Pressure: 1009.7 mb

Virginia Key, FL - Station Map [Return to List](#)

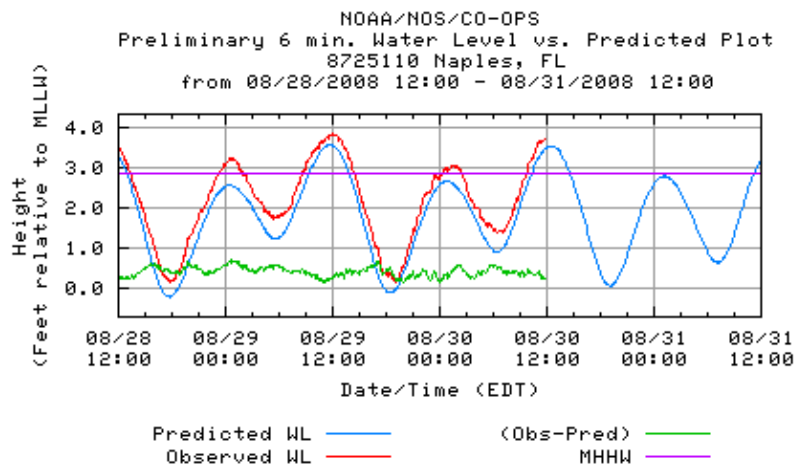


Last Observed Sample: 08/30/2008 11:48 (EDT)

Relative to **MLLW**: **Observed: 2.02 ft. Predicted: 1.58 ft. Residual: 0.44 ft.**

Historical Maximum Water Level: 11/15/1994, 1.9 ft. above **MHHW**

Naples, FL - Station Map [Return to List](#)

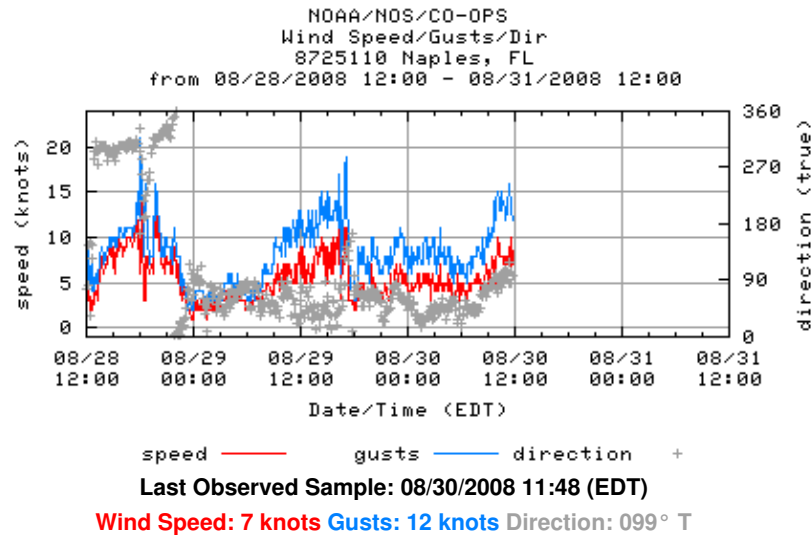


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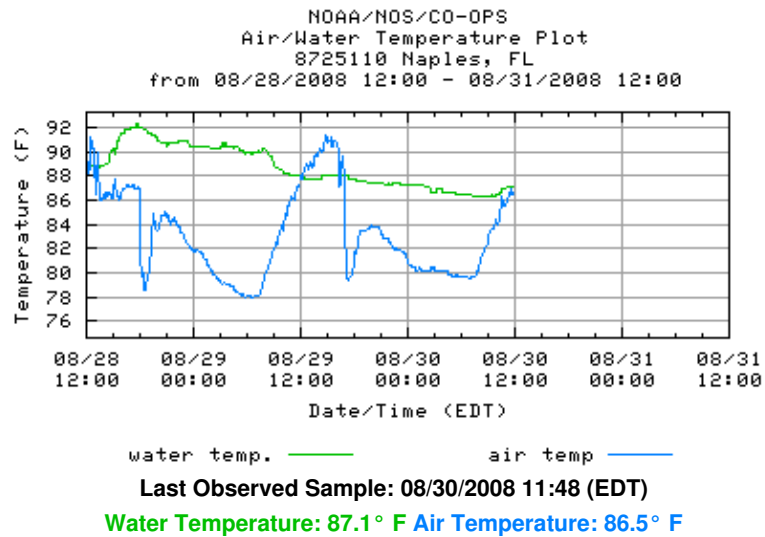
Relative to **MLLW**: **Observed: 3.72 ft. Predicted: 3.48 ft. Residual: 0.24 ft.**

Historical Maximum Water Level: 12/21/1972, 3.11 ft. above **MHHW**

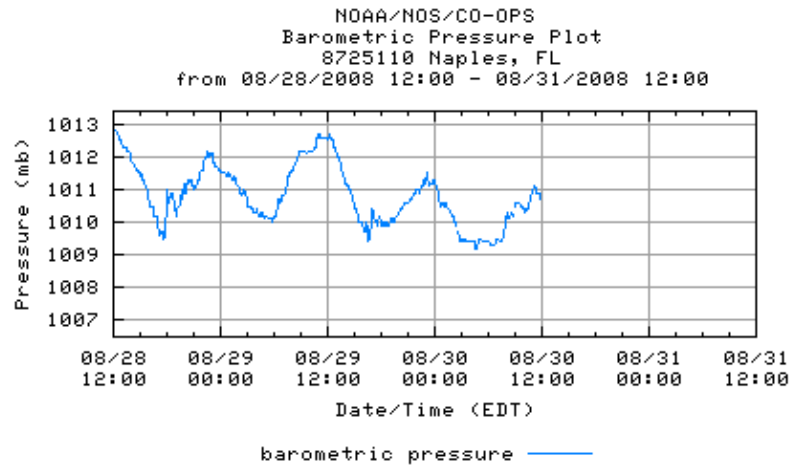
Naples, FL - Station Map [Return to List](#)



Naples, FL - Station Map [Return to List](#)



Naples, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 11:48 (EDT)

Barometric Pressure: 1010.7 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce